

CIVIL LEGEND

EXISTING

NEW

		Buildings
		Roads
		Curb & gutter
		Walks
		Railroad
		Contours
		Spot Grade Elevations
		Direction of Drainage
		Culvert
		Storm Drain
		Subdrain
		Subdrain Outlet Line
		Water Line
		Fire Water Line
		Sanitary Sewer
		Force Main
		Fire Protection Water Line
		Waste Drain
		Subdrain Flushing & Observation Riser
		Manhole Self Explanatory Depending on Type of Utility Line
		Curb Inlet
		Area Inlet
		Fire Hydrant
		Gate Valve & Valve Box or Service Stop & Box
		Post Indicator Valve
		Drill Hole
		Monitoring Well
		Control Point
		Property Line Monument

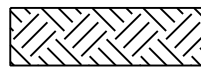

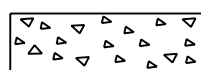


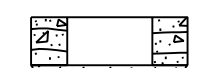


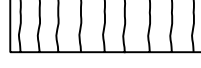

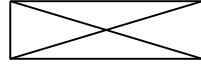

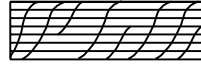
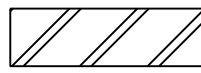
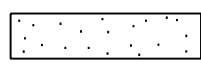
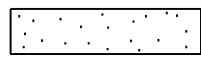
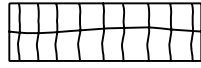
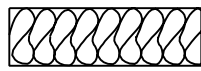
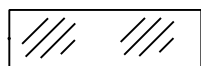


FENCES

EXISTING

NEW






— xx —	— xx —	Chain Link Security
— x —	— x —	Barbed Wire
— o —	— ● —	Woven Wire
— □ —	— ■ —	Wood

ARCHITECTURAL LEGEND

	Earth
	Concrete
	Crushed Rock
	Gravel
	Concrete Masonry Units (Plan)
	Concrete Masonry Units (Section)
	As Indicated
	As Indicated
	Brick
	Wood (Rough)
	Wood (Finish)
	Plywood
	Metal
	Gypsum Wallboard
	Plaster
	Rigid Insulation
	Blanket Insulation
	Glass (Elevation)
	Glass (Large Scale Section)
	Wood Stud Partition
	Metal Stud Partition

MECHANICAL LEGEND




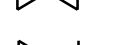


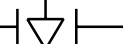

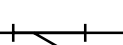
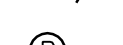

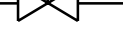





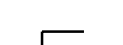
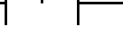

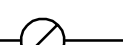


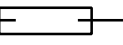



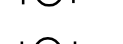

HEATING

—HPS—	High Pressure Steam
—MPS—	Medium Pressure Steam
—LPS—	Low Pressure Steam
—HPC—	High Pressure Condensate
—MPC—	Medium Pressure Condensate
—LPC—	Low Pressure Condensate
—PC—	Pumped Condensate
—FW—	Feed Water
—HTWS—	High Temperature Water Supply
—HTWR—	High Temperature Water Return
—HWS—	Hot Water Heating Supply
—HWR—	Hot Water Heating Return
—GHWS—	Glycol Hot Water Heating Supply
—GHW—	Glycol Hot Water Heating Return
—BBD—	Boiler Blow-Down
—FOS—	Fuel Oil Supply
—FOS—	Fuel Oil Fill
—FOR—	Fuel Oil Return
—F0V—	Fuel Oil Tank Vent
—G—	Gas
	F & T Trap
	Thermodynamic Trap
	Bucket Trap
	Thermostatic Trap
	Floot Trap

MISCELLANEOUS PIPING

—A—	Compressed Air
—VAC—	Vacuum
—F—	Fire Line
—F—	Underslab Fire Line
—FC—	Foam Concentrate for AFFF Systems

VALVES & FITTINGS

	Globe Valve
	O, S, & Y Gate Valve w/Tamper Switch
	Gate Valve
	Wafer Check Valve
	Hose Gate Valve
	Plug Valve or Balancing Cock
	Needle Valve
	Strainer
	Relief Valve
	Motor Operated Valve
	Temperature Regulating Valve
	Solenoid Valve
	Pressure Reducing Valve
	Float Valve
	Butterfly Valve
	Ball Valve
	Calibrated Bronze Balancing Valve or Automatic Balancing Valve as indicated
	Anchor
	Expansion Joint, Sliding
	Expansion Joint, Bellows
	Elbow Down
	Elbow Up
	Tee Down
	Tee Up
	Cap
	Union
	Pipe Increaser or Decreaser
	Flange
	Blind Flange



DUCTWORK

	Supply Grille (SG)
	Return (RG) or Exhaust (EG) Grille (Note at Flr. or Clg.)
	Supply Register (SR) (A Grille + Integral Vol. Control)
	Exhaust or Return Air Inlet Ceiling (Indicate type)
	Supply Outlet, Ceiling Round (Type as Specified) Indicate Flow Direction
	Supply Outlet, Ceiling, Rectangular (Type as Specified) Indicate Flow Direction
	Opposed Blade Dampers
	Parallel Blade Dampers
	Door Grille
	Unit Heater (Vertical)
	Unit Heater (Horizontal)
	Power or Gravity Roof Ventilator-Exhaust (ERV)
	Power or Gravity Roof Ventilator-Supply (SRV)
	Point of Change in Duct Construction (By Static Pressure Class)
	Duct (1st Figure, Side Shown 2nd Figure, Side not Shown)
	Acoustical Lining Duct Dimensions For Net Free Area
	Direction of Flow
	Duct Section (Supply)
	Duct Section (Exhaust or Return)
	Inclined Rise (R) or Drop (D) Arrow in Direction of Air Flow
	Transitions: Give Sizes. Note F.O.T. Flat on Top or F.O.B. Flat on Bottom if Applicable
	Standard Branch for Supply & Return (No Splitter)
	Splitter Damper
	Volume Damper Manual Operation
	Automatic Dampers Motor Operated
	Access Door (AD)
	Access Panel (AP)
	Fire Damper: Show — Vertical Pos. Show — Horiz. Pos.
	Smoke Damper
	Turning Vanes
	Flexible Duct
	Flexible Connection

PLUMBING

—DCW—	Domestic Cold Water
—DHW—	Domestic Hot Water
—RDHW—	Recirculating Domestic Hot Water
—SAN—	Sanitary
— — — —	Vent
—ACID—	Acid Waste
—ACID—	Acid Vent
—WF—	Wall Faucet
—WH—	Wall Hydrant
O _{CO}	Clean Out
□ _D	Floor Drain
—WCO—	Wall Clean Out
—ST—	Storm Drain Above Floor
—ST—	Storm Drain Below Floor

REFRIGERATION

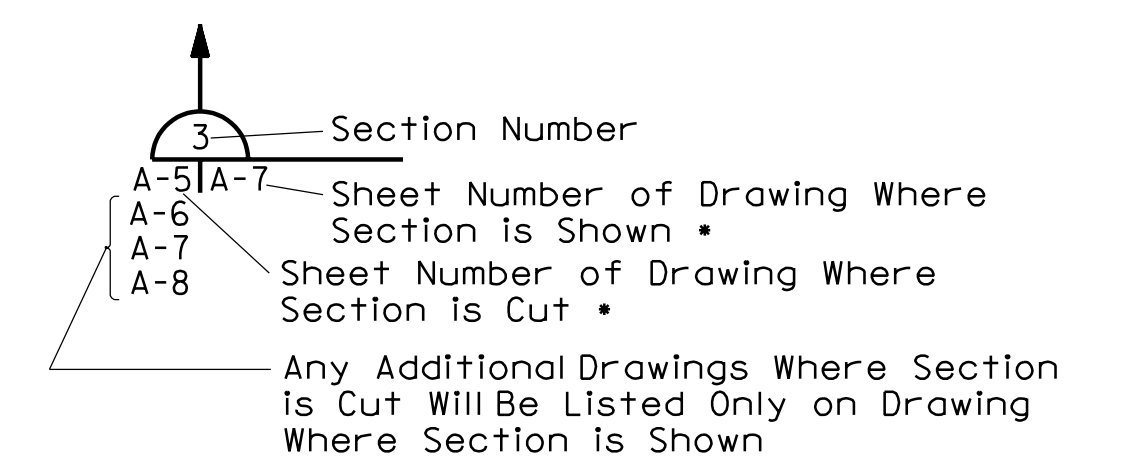
—RL—	Refrigerant Liquid
—RD—	Refrigerant Discharge (Hot Gas)
—RS—	Refrigerant Suction
—CWS—	Chilled Water Supply
—CWR—	Chilled Water Return
—C—	Condenser Water Supply
—CR—	Condenser Water Return
	Refrigerant Strainer
	Thermostatic Expansion Valve
—CHWS—	Chilled-Hot Water Supply
—CHWR—	Chilled-Hot Water Return
—GCWS—	Glycol Chilled Water Supply
—GCWR—	Glycol Chilled Water Return

TEMPERATURE CONTROLS

SEE TEMPERATURE CONTROL DRAWINGS
FOR ADDITIONAL LEGEND

(T)	Thermostat
(OA)	Outdoor Air Thermostat
(S)	Temperature Sensor
(N)	Night Thermostat
(PB)	Manual Over-ride Switch
(E)	EMCS Sensor
(P)	Pressure Sensor
(H)	Humidity Sensor

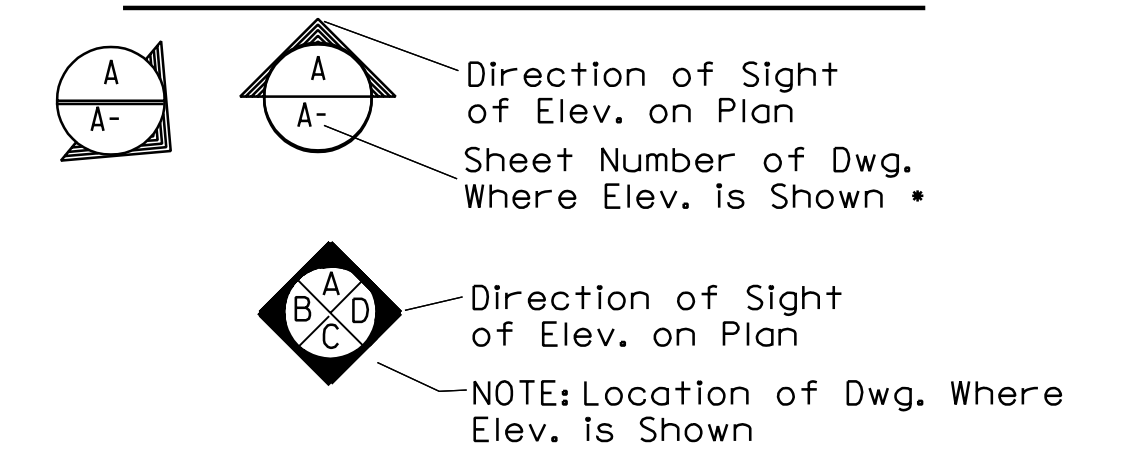
STANDARD NORTH ARROWS



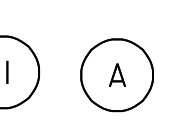
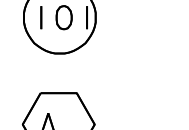
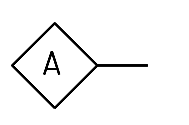



SECTION IDENTIFICATION

• SHEET NUMBERS OMITTED IF SECTION IS CUT AND DETAILED ON SAME DRAWING.


ELEVATION IDENTIFICATION



ARCHITECTURAL SYMBOLS


 Room Number

 Column Lines Number-Letter (Opposite Dir.)

 Door Numbers

 Window Types

 Wall and Partition Types
 ----- Center Line
 ===== Match Line

 Direction of Sight of Photograph

GENERAL NOTES:

1. THESE LEGENDS ARE COMPOSED OF STANDARD SYMBOLS AND ARE PERTINENT TO THE CONDITIONS ON THIS SET OF DRAWINGS TO THE EXTENT APPLICABLE.
2. ADDITIONAL LEGENDS AND/OR ANOTHER LEGEND SHEET MAY APPEAR IN THIS SET OF DRAWINGS TO INDICATE SPECIFIC CONDITIONS IN LIEU OF SYMBOLS SHOWN ON THIS SHEET.
3. EXISTING FACILITIES TO BE REMOVED ARE INDICATED BY USE OF THESE SYMBOLS AND HATCHED THUSLY. 

<p align="center">\$\$ – THINK VALUE ENGINEERING – \$\$</p>			
<p align="center">Revisions</p>			
Symbol	Descriptions	Date	Approved
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Designed by:	<p align="center">SITE NAME</p>		
Drawn by:	<p align="center">SITE LOCATION</p>		
Checked by:	<p align="center">OMAHA DISTRICT DESIGN GUIDE</p>		
Reviewed by:	<p align="center">LEGEND</p>		
Submitted by:	Plot Scale Ratio: 1:12 Design File: xxxlgn.dgn	Date: X	Sheet reference number:
Chief:	Spec. No.: DACA 45 Contract No.: DACA 45	Drawing Code: X	
Section			2